A Compact Muon Tracking System
for didactic and outreach activities

R. Antolini, A. Candela, V. Conicella, M. De Deo, M. D’Incecco, D. Sablone
Gran Sasso National Laboratory - Assergi (AQ), Italy
F. Arneodo, M. L. Benabderrahmane, A. Di Giovanni, L. Pazos Clemens*
New York University - Abu Dhabi, UAE
G. Franchi, M. d’Inzeo
Age Scientific srl - Capezzano Pianore (LU), Italy

• Based on scintillator bars coupled to SiPMs.
• 10 scintillating levels, each one composed of 2 orthogonal planes of scintillator bars.
• 2 PCB controller boards.
• One viewing panel with LEDs per controller board.
Two monolithic boards serve as readout, trigger logic and to monitor the working parameters.

The efficiency of a channel reaches 90% when an overvoltage of $\geq 2\text{V}$ is applied.

The NYU Abu Dhabi new campus on Saadiyat island, Abu Dhabi, where the two telescopes will be assembled and operated for students and the public.